

WHAT IS CLAIMED IS:

1. A sterilizer comprising:

a hopper in which powders and grains are filled;  
a first rotary valve disposed under said hopper; and  
a second rotary valve formed under said first rotary valve,  
wherein an airtight space, allowing therethrough travel  
of said powders and grains, is formed between said first rotary  
valve and said second rotary valve, said airtight space being  
communicated with a saturated steam injection pipe injecting  
a saturated steam into said airtight space.

2. The sterilizer as claimed in Claim 1, wherein said  
first and second rotary valves are configured as being adjustable  
in the rotating speeds, and configured as rotating in directions  
reverse to each other.

3. The sterilizer as claimed in Claim 1 or 2, further  
comprising a drier which includes:

an inclined plate group in which plates on one side  
inclined in one direction, and plates on the other side inclined  
in the other direction, receiving the powders and grains dropped  
from said plates on one side, are disposed as being alternately  
staggered, with a large number of fine perforations formed  
therein; and

a heating air supplier supplying upward a heating air from  
the lower side of said inclined plate group.

4. The sterilizer as claimed in Claim 3, wherein said

inclined plate group is configured as being adjustable in the angle of inclination of each of said plates.

5. The sterilizer as claimed in Claim 3 or 4 further comprising a cooler disposed on the lateral of said inclined plate group,

said cooler including:

an inclined plate group in which plates on one side inclined in one direction, and plates on the other side inclined in the other direction, receiving the powders and grains dropped from said plates on one side, are disposed as being alternately staggered, with a large number of fine perforations formed therein; and

a cooling air supplier supplying upward a cooling air from the lower side of said inclined plate group.